

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5,820,978").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/06 11:24
S1	1	("5060406").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 13:21
S2	24	("2120212"   "2413949"   "2683320"   "2845376"   "2967365"   "3101561"   "3499234"   "3551183"   "3565699"   "3642541"   "3694942"   "3989550"   "4462842").PN. OR ("5060406"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/12 19:22
S3	511	iron steam chamber coat\$3	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 19:40
S4	275080	hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 19:23
S5	12	S3 same S4	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 19:23
S6	4379	steam chamber coat\$3	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/13 09:19
S7	38	S6 same S4	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 19:49
S8	41	ludox polyamide	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 19:53
S9	36	S6 and polyamide and silica	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 20:08

## EAST Search History

S10	972	S6 and glass	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 20:08
S11	69	S10 and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 20:08
S12	1	(US-6684539-\$.did.	USPAT	OR	OFF	2007/11/12 20:22
S13	5	("4775588"   "5060406"   "5390432"   "5592764"   "6162391").PN. OR ("6684539").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/12 20:22
S14	3	("3499237").URPN.	USPAT	OR	OFF	2007/11/12 20:47
S15	19	("2683320"   "3184320"   "3499237"   "3551183").PN. OR ("3694942"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/12 21:04
S16	1177	steam chamber coat\$3 second	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/12 21:15
S17	323906	((("428") or ("427"))).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/12 21:16
S18	648	S17 and S6	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/12 21:16
S19	41	S18 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/12 21:17
S20	4	S19 and impermeable	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/12 21:17
S21	22	S19 and hydrophobic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/12 21:18
S22	4379	steam chamber coat\$3	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/13 09:20

## EAST Search History

S23	25	S22 and poly\$2imide	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/13 09:20
S24	4233	steam same coat\$3 same protect\$4	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 09:59
S25	4313	steam same coat\$3 same protect\$4	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/23 10:00
S26	188	S25 and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/23 10:01
S27	558188	S26 aqnd porous	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/23 10:01
S28	53	S26 and porous	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/11/23 11:22
S29	324405	((("428") or ("427"))).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 11:22
S30	30301	steam same coat\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:23
S31	6007	S29 and S30	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:28
S32	9285	steam with coat\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:29
S33	2176	S29 AND S32	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:29

## EAST Search History

S34	1	S33 and solgel	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:29
S35	69	S33 and sol\$1gel	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:37
S36	303	S33 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:37
S37	17	S33 and hydrophilic same top adjcoat	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:37
S38	2	S33 and hydrophilic same top adj coat	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:37
S39	34	S36 and sol\$1gel	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/11/23 11:38
S40	478	steam barrier (film or coat\$3)	US-PGPUB; USPAT; USOCR; DERWENT	WITH	ON	2007/11/23 11:39
S41	41	S40 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	WITH	ON	2007/11/23 11:39
S42	24	("20040241454"   "20050100723"   "20050214556"   "20060225783"   "20060226517"   "20070026243"   "4493875"   "4663192"   "4878765"   "5279873"   "5314561"   "5380577"   "5387449"   "5440446"   "5607789"   "5770301"   "5853642"   "5853862"   "5858940"   "5942230"   "6432516"   "6494054"   "6905769"   "7022388").PN. OR ("7285314"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 12:00
S43	13	("20020028336"   "20030026965"   "4119533"   "5387449"   "5800918"   "5925479"   "5939205"   "6242102"   "6582823").PN. OR ("6905769").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 13:32

## EAST Search History

S44	3	S43 and hydrophilic	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 13:35
S45	1	dual layer barrier impermeable hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:36
S46	102	coat\$3 barrier impermeable hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:38
S47	29	S46 and S29	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:36
S48	9	("4361680"   "4368090"   "4483975"   "4698242"   "4820796"   "5489667"   "5886098").PN. OR ("6420045").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 13:37
S49	0	coat\$3 barrier hydrophilic anf steam	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:39
S50	157	coat\$3 barrier hydrophilic and steam	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:39
S51	100	coat\$3 hydrophilic and steam barrier	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:39
S52	164258	"100" and S29	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:40
S53	25	S51 and S29	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:44

## EAST Search History

S54	853	steam adj2 barrier	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:46
S55	115	S54 and S29	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:45
S56	18	S55 and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:45
S57	29835	(steam or gas) adj2 barrier	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:46
S58	370	S57 and S29 and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:47
S59	2	S58 and sol/gel	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:47
S60	49	S58 and sol\$1gel	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:55
S61	535	S57 and hydrophilic and poly\$1mide	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 13:55
S62	128	S61 and porous	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/11/23 14:18
S63	94	thermal barrier coat\$3 and silica and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/23 14:21

## EAST Search History

S64	3	leidenfrost and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/23 14:22
S65	0	liedenfrost and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/23 14:22
S66	0	leidenadjfrost and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/23 14:22
S67	4	leiden\$1frost and hydrophilic	US-PGPUB; USPAT; USOCR; JPO; DERWENT	WITH	ON	2007/11/23 14:22
S68	24	("2120212"   "2413949"   "2683320"   "2845376"   "2967365"   "3101561"   "3499234"   "3551183"   "3565699"   "3642541"   "3694942"   "3989550"   "4462842").PN. OR ("5060406"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/23 14:25
S69	1350	porous with silica and poly\$1mide and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/12/05 13:22
S70	1605	(428/704).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 13:22
S71	16	S70 and porous with silica	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 13:24
S72	113	S70 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 13:24
S73	18	S72 and polyamide	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 14:23
S74	590571	polyamide same porous silica	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 14:22

## EAST Search History

S75	833	polyamide same porous silica	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/12/05 14:22
S76	73	S75 and steam	US-PGPUB; USPAT; USOCR; JPO; DERWENT	SAME	ON	2007/12/05 14:22
S77	8	S72 and steam	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 14:24
S78	0	polyamide same lumox	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 14:24
S79	31	polyamide same ludox	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 14:24
S80	41	polyamide same ludox	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/12/05 14:26
S81	23	polyamide same ludox same coat\$3	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/12/05 14:27
S82	1	(US-3287311-\$).did.	USOCR	OR	OFF	2007/12/05 14:30
S83	7	("3287311").URPN.	USPAT	OR	OFF	2007/12/05 14:30
S84	13	("3287311"   "3295940"   "3440203"   "3505295"   "3632440").PN. OR ("3884868").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 14:33
S85	17	((porous with silica or (ludox)) same top adj coat\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 14:37
S86	910	coat\$3 and hydrophilic same top and hydrophobic same (bottom or base)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 14:38
S87	336	coat\$3 and hydrophilic with top and hydrophobic with (bottom or base)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 17:31
S88	108	S87 and silica	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 14:39

## EAST Search History

S90	173	S87 and (silica or silicon with oxide or ludox)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 14:39
S91	99	S90 and (polyamide or polyimide)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 14:57
S92	77157	steam same chamber	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/12/05 14:58
S93	3	S92 and S69	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/12/05 15:00
S94	7	S92 and S86	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/12/05 15:00
S95	24	("2120212"   "2413949"   "2683320"   "2845376"   "2967365"   "3101561"   "3499234"   "3551183"   "3565699"   "3642541"   "3694942"   "3989550"   "4462842").PN. OR ("5060406"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 15:15
S96	19	("2683320"   "3184320"   "3499237"   "3551183").PN. OR ("3694942"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 15:16
S97	11	("2683320"   "2792652"   "3218741"   "3499237"   "3694942"   "5390432").PN. OR ("5592764"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 15:19
S98	381	(428/435).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:13
S99	59	S98 and silica	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 15:46
S100	289	(428/351).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 15:46
S101	27	S100 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 15:49
S102	6033	(428/323,324,325).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:20

## EAST Search History

S10 3	627	S102 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 15:49
S10 5	457	S103 and (silica or silicon with oxide or ludox)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 16:35
S10 6	235	S105 and polyamide	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 15:50
S10 7	24	("2120212"   "2413949"   "2683320"   "2845376"   "2967365"   "3101561"   "3499234"   "3551183"   "3565699"   "3642541"   "3694942"   "3989550"   "4462842").PN. OR ("5060406").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:06
S10 8	2	S98 and phosphate adj3 glass	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/12/05 16:16
S10 9	481	(428/425.6).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:16
S11 0	3	S109 and phosphate adj3 glass	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 16:16
S11 1	8	S98 and phosphate with glass	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/12/05 16:17
S11 2	84	S102 and phosphate with glass	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 16:30
S11 3	116	(428/297.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:31
S11 5	14	S113 and silica	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 16:31
S11 6	242	(428/300.7).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:35
S11 7	47	S116 and (silica or silicon with oxide or ludox)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/05 16:44

## EAST Search History

S11 8	736	(237/67).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:44
S11 9	7	S118 and coat\$4	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 16:45
S12 0	140	(38/77.5).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:45
S12 1	7	S120 and coat\$4	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 16:50
S12 2	1	("4,862,609").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 16:50
S12 3	34	("3104482"   "3393086"   "3412492"   "3781522"   "3781523"   "3816704"   "4196340"   "4206340"   "4409354"   "4443574"   "4588021"   "4665637"   "4687707"   "4702933"   "4800661").PN. OR ("4862609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 17:28
S12 4	721	(427/245).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 17:28
S12 5	14	S124 and impermeable same (base or bottom)	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 17:30
S12 6	173	S124 and hydrophobic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 17:30
S12 7	114	S126 and hydrophilic	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 17:30
S12 8	25	S127 and silica	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 17:30
S12 9	231362	("428").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 17:32

## EAST Search History

S13 0	57	S87 and S129	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2007/12/05 17:34
S13 1	1	("4,576,864").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/05 17:34
S13 2	28	("4481254").PN. OR ("4576864"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/06 11:24